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Cooling Units

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“Blue e” Generation

Continuous energy savings with cooling units from Rittal.

Saving in energy consumption **up to 45%** with the same cooling output (in ideal conditions, 70% in comparison to a conventional Rittal TopTherm Plus cooling unit in field testing).



TopTherm Blue e Wall-Mounted Cooling Units, NEMA 4X



Climate control accessories Page 305 Therm software package Page 321

Temperature control:

- e-Comfort controller (factory setting +35°C)

Protection category NEMA:

- NEMA 4X

Supply includes:

- Nano-coated condenser
- Integral electric condensate evaporation
- Wired ready for connection (plug-in terminal strip)
- Drilling template
- Assembly components

Note:

- 3303.XXX without integrated condensate evaporation

Approvals:

Available on the Internet

Performance diagrams:

Available on the Internet

Technical details:

Available on the Internet

Power category 1706 – 3753 BTU (500 – 1100 W)

Model No.	Packs of	3303.504	3303.514	3304.504	3304.514	3304.544	Page
Material	Stainless steel	■	■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)		1877 (0.55)	–	3753 (1.1)	3753 (1.1)	3753 (1.1)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)		1877/2252 (0.55/0.66)	2252 (0.66)	3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	3753/4265 (1.1/1.25)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)		1126/1365 (0.33/0.4)	1365 (0.4)	3105/3071 (0.91/0.9)	3105/3071 (0.91/0.9)	3344/3105 (0.98/0.91)	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 60	230, 1~, 50/60	115, 1~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		24 (620)	24 (620)	40 (1020)	40 (1020)	40 (1020)	
Width inches (mm)		11 (285)	11 (285)	16 (405)	16 (405)	16 (405)	
Depth inches (mm)		12 (298)	12 (298)	14 (358)	14 (358)	14 (358)	
Rated current max. A		2.6/2.6	5.7	3.9/4.3	10.6/11.1	2.2/2.1	
Start-up current A		5.1/6.4	11.5	12/14	26/28	11.5/12.7	
Pre-fuse A		10	10	10	16	–	
Motor circuit-breaker A		–	–	–	–	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW		0.36/0.38	0.47	0.6/0.68	0.6/0.68	0.64/0.82	
Rated power P _a 50/60 Hz L35 L50 kW		0.42/0.39	0.5	0.71/0.81	0.71/0.81	0.73/0.93	
Operating temperature range		+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range		+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511		1.4	1.31	1.83	1.83	1.83	
Refrigerant oz (g)		R134a, 6.0 (170)	R134a, 6.0 (170)	R134a, 11.4 (325)	R134a, 11.4 (325)	R134a, 11.4 (325)	
Permissible operating pressure (p. max.) psi (bar)		406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)		156/185 (265/315)	165/203 (280/345)	353/530 (600/900)	353/530 (600/900)	353/530 (600/900)	
Weight lb (kg)		55.1 (25.0)	55.1 (25.0)	108.0 (49.0)	119.0 (54)	110.2 (50.0)	
Accessories							
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	550

TopTherm Blue e Wall-Mounted Cooling Units, NEMA 4X

Power category 5118 BTU (1500 W)

Model No.	Packs of	3305.504	3305.514	3305.544	Page
Material	Stainless steel	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)		5459 (1.6)	5459 (1.6)	5459 (1.6)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)		5459/6005 (1.6/1.76)	5459/6005 (1.6/1.76)	5459/5494 (1.6/1.61)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)		4265/4675 (1.25/1.37)	4265/4675 (1.25/1.37)	4538/4606 (1.33/1.35)	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		40 (1020)	40 (1020)	40 (1020)	
Width inches (mm)		16 (405)	16 (405)	16 (405)	
Depth inches (mm)		14 (358)	14 (358)	14 (358)	
Rated current max. A		5.5/5.8	12.1/13.6	2.6/2.8	
Start-up current A		12/14	42.0/46.0	12.2/11.3	
Pre-fuse A		16	20	-	
Motor circuit-breaker A		-	-	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW		0.79/0.98	0.79/0.98	0.9/1.08	
Rated power P _a 50/60 Hz L35 L50 kW		0.9/1.15	0.9/1.15	1.06/1.25	
Operating temperature range		+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range		+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511		1.83	1.83	1.83	
Refrigerant oz (g)		R134a, 21.2 (600)	R134a, 21.2 (600)	R134a, 21.2 (600)	
Permissible operating pressure (p. max.) psi (bar)		406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)		471/530 (800/900)	471/530 (800/900)	471/530 (800/900)	
Weight lb (kg)		112.4 (51.0)	123.5 (56.0)	114.6 (52.0)	
Accessories					
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	550

Power category 6824 – 8530 BTU (2000 – 2500 W)

Model No.	Packs of	3328.504	3328.514	3328.544	3329.504	3329.514	3329.544	Page
Material	Stainless steel	■	■	■	■	■	■	
Total cooling output 50 Hz L35 L35 to DIN EN 14511 BTU (kW)		7507 (2.2)	7507 (2.2)	7507 (2.2)	8701 (2.55)	8701 (2.55)	8701 (2.55)	
Total cooling output 50/60 Hz L35 L35 BTU (kW)		7507/8053 (2.2/2.36)	7507/8053 (2.2/2.36)	7507/8019 (2.2/2.35)	8701/9076 (2.55/2.66)	8701/9076 (2.55/2.66)	8701/9213 (2.55/2.7)	
Total cooling output 50/60 Hz L35 L50 BTU (kW)		5528/5971 (1.62/1.75)	5528/5971 (1.62/1.75)	4948/5767 (1.45/1.69)	6278/6551 (1.84/1.92)	6278/6551 (1.84/1.92)	6483/6654 (1.9/1.95)	
Rated operating voltage V, ~, Hz		230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	230, 1~, 50/60	115, 1~, 50/60	400, 3~, 50 460, 3~, 60	
Height inches (mm)		65 (1650)	65 (1650)	65 (1650)	65 (1650)	65 (1650)	65 (1650)	
Width inches (mm)		16 (405)	16 (405)	16 (405)	16 (405)	16 (405)	16 (405)	
Depth inches (mm)		15 (388)	15 (388)	15 (388)	15 (388)	15 (388)	15 (388)	
Rated current max. A		6.1/6.6	14.7/17.3	2.8/3.3	8.2/9.3	17.0/22.0	3.7/3.8	
Start-up current A		20/22	36/39	6.8/7.8	20/24	44/42	6.8/7.6	
Pre-fuse A		16	25	-	16	25	-	
Motor circuit-breaker A		-	-	6.3...10	-	-	6.3...10	
Rated power P _a 50/60 Hz L35 L35 kW		0.92/1.06	0.92/1.06	0.92/1.15	1.21/1.35	1.21/1.35	1.2/1.4	
Rated power P _a 50/60 Hz L35 L50 kW		1.06/1.25	1.06/1.25	1.15/1.4	1.41/1.64	1.41/1.64	1.44/1.75	
Operating temperature range		+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	+50°F...+122°F	
Setting range		+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	+68°F...+122°F	
Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511		2.4	2.4	2.4	2.11	2.11	2.11	
Refrigerant oz (g)		R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	R134a, 31.7 (900)	
Permissible operating pressure (p. max.) psi (bar)		406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	406 (28)	
Air throughput of fans (unimpeded air flow), internal circuit/external circuit cfm (m³/h)		577/577 (980/980)	577/577 (980/980)	530/530 (900/900)	724/724 (1230/1230)	724/724 (1230/1230)	706/706 (1200/1200)	
Weight lb (kg)		176.4 (80.0)	191.8 (87.0)	178.6 (81.0)	198.4 (90.0)	183.0 (83.0)	185.2 (84.0)	
Accessories								
Door-Operated Switch	1 pc(s).	4127.010	4127.010	4127.010	4127.010	4127.010	4127.010	550